

ABSTRACT

Disclosed is a cooling apparatus used in a high-speed cooling of an optical fiber. The cooling apparatus includes: a cooling body extending along the longitudinal direction of the drawn optical fiber, wherein the cooling body consists of a left cooling body part and a right cooling body part, and wherein the cooling body is provided with a sealing cap so that a cooling gas is supplied into the cooling body through the sealing cap; and, at least one turbulence generator mounted within the cooling body to surround the drawn optical fiber, wherein the turbulence generator activates the molecular flow of the cooling gas supplied into the cooling body.